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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND MATERIALS FOR MODULATING TASK-3

(57) Abstract: The invention relates to antisense oligonucleotides, compositions and methods useful for modulating the expression of TASK-3. The compositions comprise antisense oligonucleotides targeted to nucleic acids encoding TASK-3.

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US02/41834

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/70; C07H 21/04
US CL : 514/44; 536/24.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/44; 536/24.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	HARTNESS et al. Combined antisense and pharmacological approaches implicate hTASK as an airway O ₂ sensing K ⁺ channel. J. Biol. Chem. 13 July 2001, Vol. 276, No. 28, pages 26499-26508, see entire document.	1-23
A	KIM et al. TASK-3, a new member of the tandem pore K ⁺ channel family. J. Biol. Chem. 31 March 2000, Vol. 275, No. 13, pages 9340-9347, see entire document.	1-23
A	RAJAN et al. TASK-3, a novel tandem pore domain acid-sensitive K ⁺ channel: An extracellular histidine as pH sensor. J. Biol. Chem. 02 June 2000, Vol. 275, No. 22, pages 16650-16657, see entire document.	1-23
A	Database Biosis, Accession Number 2001:0056270, WASHBURN et al. Raphe neurons express TASK-1 and TASK-3 mRNA and an acid- and halothane-sensitive K ⁺ conductance. Society for Neuroscience Abstracts. November 2001, Vol. 27, No. 2, page 1861, see entire document.	1-23

☐

Further documents are listed in the continuation of Box C.

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See patent family annex.

* Special categories of cited documents:

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"&"

document member of the same patent family

Date of the actual completion of the international search

23 August 2003 (23.08.2003)

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Continuation of B. FIELDS SEARCHED Item 3:

WEST

Dialog (file: medicine)

search terms: TASK-3, TASK3, potassium, channel, antisense, mRNA, RiboTAG, oligonucleotide, pain